



WINDING UP


IN INDIA



CO2logic.com

India Wind Project
with the support of



IN ONE YEAR
30 WIND TURBINES
AVOIDED
53 000
TONNES OF CO₂
BY GENERATING
54 000 MWh
OF ELECTRICITY
WHICH PROVIDED **50 000**
HOUSEHOLDS 
WITH GREEN ENERGY



IN A FEW WORDS

GREEN WIND ENERGY IN INDIA

The Indian power grid is damagingly reliant on fossil fuel based power plants. The country ranks extremely high on coal dependency, emitting huge amounts of CO₂. As a consequence, the energy sector in India contributes to pollution and poor air quality. This Project builds wind turbines, providing the power grid with clean, renewable energy and stimulates the transition to a low carbon economy. The India Wind Project supports the development of multiple wind turbines in India, in the regions of Karnataka, Andhra Pradesh and Tamil Nadu.



IN INDIA

NON-RENEWABLE RESOURCES AND POPULATION DENSITIES

■ ISSUE N°1

India relies heavily on fossil fuels to generate electricity. These non-renewable resources are damaging to the environment and emit greenhouse gases.

■ ISSUE N°2

India has one of the largest population densities, with numbers only increasing. This in turn means more electricity usage, especially with a lifestyle that relies on this energy.

INDIA

238 540 km²

55% Agriculture

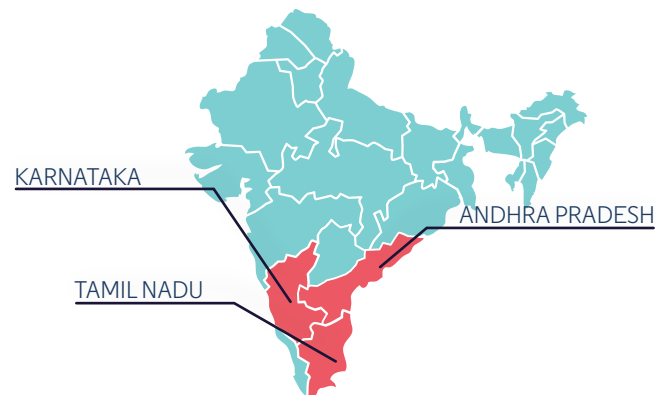
9% Water

21% Forest

15% Other



To meet the demands of a growing population with its changing needs for electricity, India will need to find alternative energy sources. In order to accelerate this necessary energy transition, the Project supports the development of wind turbines near Karnataka, Andhra Pradesh and in the region of Tamil Nadu.





INSTALLATION OF WIND TURBINES

The Project supports the development of wind turbines in different regions of India. There are turbines of different sizes generating green energy in the provinces of Karnataka, Andhra Pradesh and Tamil Nadu.



LOWERING GREENHOUSE GAS EMISSIONS

Wind turbines generate electricity with zero greenhouse gas emissions. The electricity produced displaces an equivalent amount of energy that would normally be generated using fossil fuel based power plants. This leads to a reduction in CO₂ emissions.



IMPROVING LIVELIHOODS

Project activities are not only limited to emission reduction but also aim to improve living conditions. The local communities are involved as much as possible and the Project generates many co-benefits such as job opportunities and improved infrastructure in the region.

INSTALLATION OF WIND TURBINES

THE WIND SOLUTION?

Different green-field wind farms are being developed in various parts of India (in the regions of Karnataka, Andhra Pradesh and Tamil Nadu). Depending on the wind conditions, the 30 turbines with a capacity around 32 MW produce on average 54 000 MWh of energy per year.

This Project helps generate employment opportunities as the turbines are built and operated by local Indian workers. This boosts the local economy and further involves the community in this Project. The surrounding regions also benefit from infrastructure developments such as roads and access to a stable reliable power supply. This attracts businesses to establish their activities in the surroundings.

As India ranks as one of the countries with the highest dependency on coal, installing wind turbines here has far-reaching impacts.

7 AFFORDABLE AND
CLEAN ENERGY





LOWERING GREENHOUSE GAS EMISSIONS

CLEAN ENERGY FOR A CLEAN ENVIRONMENT

For each MWh that is generated by the wind turbines, around 982 kg of CO₂ emissions are prevented. Reducing the use of fossil fuels comes with health benefits too. The air in India is heavily polluted by the coal industry. As India shifts to cleaner energy, the overall health of its people will benefit from decreased air pollution. This Project aims to help accelerate this transition.

13 CLIMATE ACTION



IMPROVING LIVELIHOODS

CREATING CO-BENEFITS

To achieve real sustainable development, we must focus on more than lowering emissions, we must also improve livelihoods. Hence, the Project involves local people wherever possible and helps vulnerable communities.

Social

- Generating employment opportunities during construction and operation phases
- Reducing air pollution
- Infrastructure development in the region

Technological

- Clean technology investment that would otherwise not have been possible
- Reliable energy infrastructure
- Encouraging other entrepreneurs to participate in similar projects

Economic

- Reducing energy demand supply gap in the state
- Attracting businesses to the region

Environmental

- Reducing fossil fuel consumption to conserve natural resources
- Avoiding greenhouse gas emissions
- Reducing air pollutants such as SO_x, NO_x and particulate matter

8 DECENT WORK AND
ECONOMIC GROWTH





IMPACTS OF THE PROJECTS



The India Wind Project is VCS certified. The VSC program is the most widely used voluntary GHG program. This independent non profit organisation checks the impact of the Project in terms of CO₂ emission reductions. To do so, a lot of data is collected on the spot, such as the amount of energy generated, the number of people positively impacted by the Project, etc.

Besides important CO₂ reductions, the Project creates many co-benefits for the local population in line with the United Nations Sustainable Development Goals.

Each level of the Project allows important CO₂ reductions & creates many co-benefits for the local population, in line with the United Nations Sustainable Development Goals.



SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



13 CLIMATE ACTION



CLIMATE IMPROVEMENT



Lowering CO₂ emissions



Less dependency on fossil fuels



Infrastructure development



Reliable energy



7 AFFORDABLE AND CLEAN ENERGY



LOCAL SUPPORT



GREEN ECONOMY



8 DECENT WORK AND ECONOMIC GROWTH



Attracting new businesses



Transition to renewable energy



Creating job opportunities



Reduces air pollution



BETTER LIFE CONDITIONS



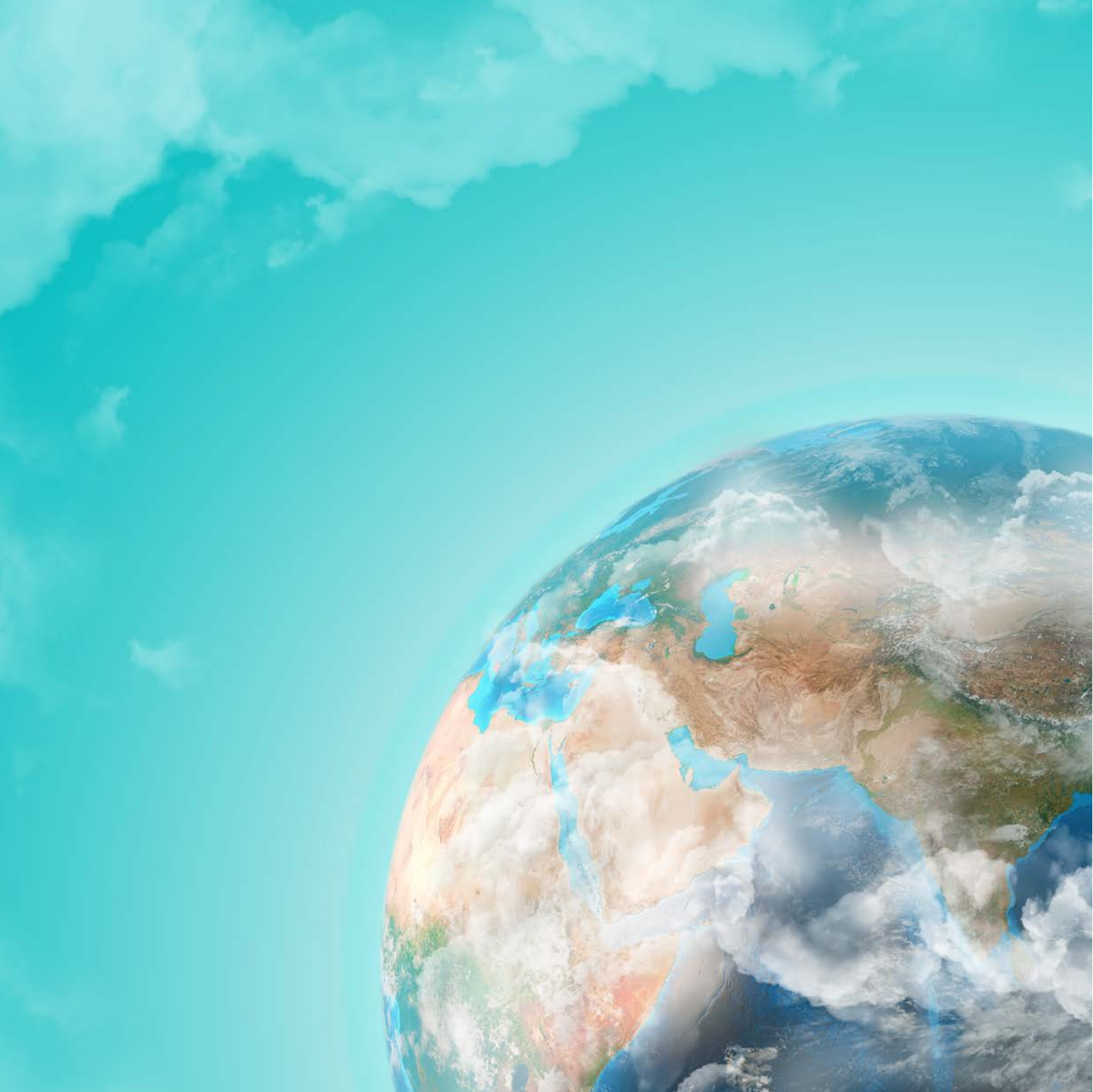
CLIMATE

ECONOMY

COMMUNITY

HEALTH





CLIMATE ACTION

“HOW CAN WE REDUCE OUR CLIMATE IMPACT AND THAT OF OTHERS?”

This is the first question the team of CO2logic asked themselves, back in 2004.



There are often limits to the CO₂ emissions that can currently be reduced, and each remaining tonnes of CO₂ has a high cost for society & future generations.

At CO2logic we firmly believe that future generations are not responsible for these “climate disruption costs”. That’s why CO2logic supports companies and organisations in reducing and offsetting their impact on climate & the environment: by supporting & developing climate projects that generate carbon credits. This is the way to give back and restore the balance.

A WORD FROM ANTOINE GEERINCKX, FOUNDER OF CO2LOGIC

“There is only one atmosphere and there are no borders for CO₂ emissions. Our climate projects help in avoiding deforestation through education, collaboration, energy efficiency, fuel switch, renewable energy, reforestation, access to clean water. We act to improve the livelihood of local people while addressing the global climate breakdown. We are all interconnected.”



Credible Climate Action

CO2logic.com

